

* NOTICES *

JPO and INPIT are not responsible for any damages caused by the use of this translation.

1. This document has been translated by computer. So the translation may not reflect the original precisely.

2. **** shows the word which can not be translated.

3. In the drawings, any words are not translated.

CLAIMS

[Claim(s)]

In the approach of generating the data with which it became irregular for transmitting to the base station which is communicating with 1 set of the subscriber equipments from the 1st subscriber equipment in 1.1 sets of subscriber equipments Modulate the a 1st data in 1st rectangular code, and the 1st channel data is generated. Modulate the b 2nd data in 2nd modulation code, and the 2nd channel data is generated. The modulation data generating approach characterized by generating the data modulated by generating the data totaled by totaling the channel data of the c above 1st, and said 2nd channel data, and modulating the data by which the d aforementioned sum total was carried out in long code.

2. Adjust the gain of said 1st channel data. Approach according to claim 1 which contains further the step which adjusts the gain of said 2nd channel data.

3. It is the approach according to claim 1 said 1st data is pilot data and said 2nd data is user data.

4. Further, power control data is modulated in 3rd rectangular code, and the 3rd channel data is generated. The approach according to claim 1 of totaling said 3rd channel data with said totaled data.

5. It is the approach according to claim 1 said 1st data is pilot data and said 2nd data is user data.

6. Approach according to claim 4 which contains further step which adjusts gain of said 3rd channel data.

7. Modulate 3rd Data in Phase in 3rd Rectangular Code, and Generate 3rd Channel Data in Phase. Modulate the 3rd DETA ** of quadrature phase in 3rd rectangular code, and the 3rd channel data of a quadrature phase is generated. Said 3rd channel data in phase is totaled with said totaled data. Approach according to claim 1 which contains further the step which carries out the complex multiplication of said totaled data and the 3rd channel data of said quadrature phase to an in-phase diffusion code and a quadrature-phase diffusion code.

8. 1st Subscriber Equipment Which Transmits 1st Hard Flow Link Signal Containing 1 Set of 1st Rectangular Subchannels, 2nd subscriber equipment which transmits the 2nd hard flow link signal containing 1 set of 2nd rectangular subchannels, The radio communications system possessing the base station which receives said 1st hard flow link signal and the 2nd hard flow link signal, 9. Each rectangular channel in said the 2nd 1 set of rectangular channels is an approach according to claim 1 by which, as for each rectangular channel in said the 1st 1 set of rectangular channels, gain is separately adjusted, and gain is adjusted separately.

10. Generate Many Symbols to Each Bit of Data in Convolution Code, and Generate Symbol Sequence. 1 set of symbols which contain the sufficient number of symbols which carried out repeatedly [count] and was defined beforehand for said symbol sequence are generated. The data with which each symbol from said 1 set of symbols was modulated in 1st rectangular code which has the number of chips smaller than 16 chips, and the rectangular code modulation of the 1st was carried out are generated. The data which combined with pilot data said data with which the rectangular code modulation of the 1st was carried out, and were combined are generated. The transmitting approach of the data frame characterized by transmitting said combined data.

11. Only the 1st amount carries out gain control of said data with which quadrature modulation of the

1st was carried out. Approach according to claim 10 which contains further the step to which only the 2nd amount carries out gain control of said pilot data.

[Translation done.]